

In re Application of: Bobrowski, Paul  
Serial No.: 10/674,587  
Atty. Docket No.: PHMC0745-021

Art Group: 1654  
Examiner: Susan B. McCormick-Ewoldt

Amendment dated 1/24/2005  
Reply to Office Action of December 23 2004

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

**Claims 11 - 19 (withdrawn)**

1. **(original)** A method of extracting the lipophilic components from plants of the family Euphorbiaceae, comprising:

combining plant material from the family Euphorbiaceae with an organic solvent;

agitating the combination;

settling the combination into distinct phases to resolve a layer substantially comprised of hydrophilic constituents and an organic layer substantially comprised of lipophilic constituents; and

evaporating the organic layer to resolve the lipophilic constituents.

2. **(original)** The method of claim 1 wherein the plant material is either in viscous latex or at least partially dried latex from the family Euphorbiaceae.

3. **(original)** The method of claim 1 wherein the plant is of the genus Croton.

4. **(original)** The method of claim 1 wherein the organic solvent is selected from the group consisting of ethyl acetate, isopropanol and chloroform/Methanol mixture.

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5. **(original)** The method of claim 1 further comprising,  
  
adding a drying agent to the settled organic layer, prior to the step of evaporating the organic layer, to further precipitate any remaining hydrophilic constituents, and filtering the organic layer to resolve the lipophilic constituents.
6. **(original)** The method in claim 5 wherein the drying agent selected from the group consisting of, magnesium sulfate and sodium sulfate.
7. **(original)** The method in claim 6 wherein the drying agent is magnesium sulfate and the amount added per liter of organic layer is between about five hundred milligrams (500 mg) to five grams (5 g) per liter.
8. **(original)** The method in claim 5 wherein, after the step of filtering the organic layer, the organic layer at a concentration of one milligram per milliliter (1mg/mL) of 50% (v/v) ethanol/water has an absorbance of about 0.120 Abs Units in the wavelength range between about 390 nm and about 430 nm, relative to an absorbency of about 515 Abs Units within the same wavelength range.
9. **(original)** The method of claim 5 wherein the proanthocyanidin components are reduced by at least about 90% relative to the parent latex.
10. **(original)** The method of claim 1 wherein the step of evaporating the precipitate to resolve the hydrophilic constituents is selected from the group of evaporating method consisting of evaporation, spray drying, freeze drying, or vacuum drying.

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### REMARKS/ARGUMENTS

The Applicant has selected claims 1-10 for prosecution pursuant to the Examiner's restriction requirement. The Applicant retains the right to present claims 11-19 in a divisional or continuation in part application.

Applicant respectfully requests examination on the merits.

Respectfully submitted,

Ellis & Venable

Date: 1/24/2005

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### CERTIFICATE OF TRANSMISSION

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